



One Day Workshop On

# Future of Structural Health Monitoring for Sustainable Infrastructure

1st April 2025

Pragyan Hall,  
Administrative  
Building,  
DTU, New Delhi



From 9:30 AM  
onwards

## Chief Patron



Prof. Prateek Sharma  
Vice-Chancellor, DTU, New Delhi



Prof. Manoranjan Parida  
Director, CSIR-CRRI, New Delhi

## Patron



Prof. Madhusudan Singh  
Registrar, DTU, New Delhi

## Conveners



Prof. K.C. Tiwari  
HoD, CED, DTU, Delhi



Prof. Rajeev Goel  
Head BES, CSIR-CRRI, New Delhi

## Coordinators



Prof. Nirendra Dev,  
CED, DTU, New Delhi



Prof. Shilpa Pal,  
CED, DTU, New Delhi



Prof. Raju Sarkar  
CED, DTU, New Delhi



Dr. Naveet Kaur,  
CSIR-CRRI, New Delhi

Organized by  
Centre of Excellence in Disaster Risk  
Reduction Department of Civil  
Engineering  
DELHI TECHNOLOGICAL UNIVERSITY  
(DTU), NEW DELHI

and

CSIR - CENTRAL ROAD  
RESEARCH INSTITUTE (CRRI),  
NEW DELHI

in association with

INDIAN STRUCTURAL  
HEALTH MONITORING  
SOCIETY (ISHMS)



## About the Workshop:

Structural Health Monitoring (SHM) is an essential field in civil engineering, ensuring the safety, durability, and resilience of infrastructure. This workshop aims to provide a comprehensive Understanding of advanced SHM techniques, focusing on real-time risk assessment, early damage detection, and predictive maintenance strategies. Participants will gain hands-on knowledge about innovative methodologies such as the Electro-Mechanical Impedance (EMI) technique and AI/ML applications in SHM. This workshop brings together leading experts from academia, research and industry to discuss the latest research, practical implementations, and case studies. Whether you are a researcher, industry professional, or student, this event will provide valuable insights into the future of infrastructure monitoring and sustainable engineering solutions.

## Key Topics

- Recent trends in Structural Health Monitoring.
- AI/ML in Structural Health Monitoring.
- Various Techniques for Monitoring of the Structures.
- Non-destructive Evaluation of Structures.
- Case Studies and Practical Applications around Structural Health Monitoring.

## SPEAKERS



**Prof. Suresh Bhalla**  
*Professor, IIT Delhi*



**Prof. Vikram Pakrashi**  
*Director, UCD Centre for  
Mechanics, Ireland*



**Shri G K Sahu**  
*Chief Scientist,  
CSIR-CRRI*



**Shri Parampreet Singh**  
*Director, Avantech  
Cons. Pvt. Ltd.*

## Registration Details:

Start date of registration:

10th March 2025

End date of registration:

30th March 2025

Registration Link (no registration fees):

<https://forms.gle/2sHgQ1hwDQV7XP2o8>



For any queries please contact:

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